

H.W.

① Given:  $f'(x) = 8x^3 - x + 3$ ,  $f(1) = 2$   
Find  $f(x)$ .

② Given:  $f'(x) = 2x^5 - 3x^2 + 5x - 1$ ,  $f(0) = 3$   
Find  $f(x)$ .

③ Given:  $f'(x) = x^2 - \frac{1}{x^4}$ ,  $f(1) = 4$   
Find  $f(x)$ .

④ Given:  $f''(x) = 24x^2 - 60x$ ,  $f'(0) = 5$ ,  
 $f(1) = -10$   
Find  $f(x)$